

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits | Search Query   | DBs                | Default Operator | Plurals | Time Stamp          |
|-------|------|--|--------------------|------------------|---------|---------------------|
| L1    | 2    | (6175917 7447801).pn.  | US-PGPUB;<br>USPAT | OR               | ON      | 2010/04/09<br>15:46 |
| L2    | 2    | (6175917 7447801).pn. and<br>(key or symm\$10 or<br>common or des or aes)                                  | US-PGPUB;<br>USPAT | OR               | ON      | 2010/04/09<br>15:51 |
| L3    | 2    | (6175917 7447901).pn. and<br>(key or symm\$10 or<br>common or des or aes)                                  | US-PGPUB;<br>USPAT | OR               | ON      | 2010/04/09<br>15:52 |
| L4    | 2    | (6175917 7447901).pn. and<br>(encrypted)   | US-PGPUB;<br>USPAT | OR               | ON      | 2010/04/09<br>16:41 |
| L5    | 2    | (6175917 7447901).pn. and<br>(encrypt\$5)  | US-PGPUB;<br>USPAT | OR               | ON      | 2010/04/09<br>16:41 |
| L6    | 2    | (6175917 7447901).pn. and<br>(encrypt\$5 with<br>(communication\$2 or<br>message or request or<br>reply))  | US-PGPUB;<br>USPAT | OR               | ON      | 2010/04/09<br>16:41 |
| L7    | 0    | (6175917 7447901).pn. and<br>(inquir\$5 or query\$5)   | US-PGPUB;<br>USPAT | OR               | ON      | 2010/04/09<br>16:51 |
| L8    | 2    | (6175917 7447901).pn. and<br>(inquir\$5 or query\$5 or<br>request or (response or<br>reply))               | US-PGPUB;<br>USPAT | OR               | ON      | 2010/04/09<br>16:51 |
| L9    | 2    | (6175917 7447901).pn. and<br>(inquir\$5 or query\$5 or<br>request or (response or<br>reply) or syncro\$10) | US-PGPUB;<br>USPAT | OR               | ON      | 2010/04/09<br>16:51 |
| S1    | 2    | "SAKAI, MASANAO"   | US-PGPUB;<br>USPAT | OR               | ON      | 2007/08/22<br>15:24 |
| S2    | 1    | S1 and (ipsec)   | US-PGPUB;<br>USPAT | OR               | ON      | 2007/01/08<br>14:42 |
| S3    | 1452 | @ad<"20020911" and<br>(ipsec)  | US-PGPUB;<br>USPAT | OR               | ON      | 2007/01/08<br>14:11 |
| S4    | 565  | @ad<"20020911" and<br>((network near2 security)<br>and ipsec)  | US-PGPUB;<br>USPAT | OR               | ON      | 2007/01/08<br>14:11 |
| S5    | 141  | @pd<"20020911" and<br>((network near2 security)<br>and ipsec)  | US-PGPUB;<br>USPAT | OR               | ON      | 2007/01/09<br>11:10 |
| S6    | 30   | @pd<"20020911" and<br>((network near2 security)<br>same ipsec)   | US-PGPUB;<br>USPAT | OR               | ON      | 2007/01/09<br>09:51 |
| S7    | 1    | "6523894".pn.  | US-PGPUB;<br>USPAT | OR               | ON      | 2007/01/08<br>14:41 |

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|-----|---|---|--------------------|----|----|---------------------|
| S8  | 0 | "69315729".pn.  | US-PGPUB;<br>USPAT | OR | ON | 2007/01/08<br>14:41 |
| S9  | 1 | "6931529".pn.   | US-PGPUB;<br>USPAT | OR | ON | 2007/01/08<br>14:41 |
| S10 | 0 | "09718041".pn.  | US-PGPUB;<br>USPAT | OR | ON | 2007/01/08<br>14:43 |
| S11 | 0 | "09718041".pn.  | US-PGPUB;<br>USPAT | OR | ON | 2007/01/08<br>14:43 |
| S12 | 0 | "69860611".pn.  | US-PGPUB;<br>USPAT | OR | ON | 2007/01/08<br>14:44 |
| S13 | 1 | "6986061".pn.   | US-PGPUB;<br>USPAT | OR | ON | 2007/01/08<br>14:51 |
| S14 | 1 | "6175917".pn.   | US-PGPUB;<br>USPAT | OR | ON | 2007/01/08<br>14:52 |
| S15 | 0 | "6175917".pn. and (ipsec)   | US-PGPUB;<br>USPAT | OR | ON | 2007/01/08<br>14:54 |
| S16 | 1 | "6175917".pn. and (tcp or ip)                                       | US-PGPUB;<br>USPAT | OR | ON | 2007/01/08<br>15:00 |
| S17 | 1 | "6931529".pn.   | US-PGPUB;<br>USPAT | OR | ON | 2007/01/08<br>14:58 |
| S18 | 1 | "6931529".pn. and (ip)  | US-PGPUB;<br>USPAT | OR | ON | 2007/01/08<br>14:58 |
| S19 | 0 | "6175917".pn. and (tcp)   | US-PGPUB;<br>USPAT | OR | ON | 2007/01/08<br>15:01 |
| S20 | 1 | "6175917".pn. and (tunnel \$4)                                      | US-PGPUB;<br>USPAT | OR | ON | 2007/01/08<br>15:08 |
| S21 | 2 | (6175917 6931529).pn.   | US-PGPUB;<br>USPAT | OR | ON | 2007/01/08<br>15:08 |
| S22 | 2 | (6175917 6931529).pn. and (key)                                     | US-PGPUB;<br>USPAT | OR | ON | 2007/01/08<br>16:13 |
| S23 | 2 | (6175917 6931529).pn. and (protocol)                                | US-PGPUB;<br>USPAT | OR | ON | 2007/01/08<br>16:37 |
| S24 | 1 | (6175917 6931529).pn. and (station)                                 | US-PGPUB;<br>USPAT | OR | ON | 2007/01/08<br>16:54 |
| S25 | 0 | (6175917 6931529).pn. and (notify\$3 or notificat\$5)               | US-PGPUB;<br>USPAT | OR | ON | 2007/01/08<br>17:04 |
| S26 | 2 | (6175917 6931529).pn. and (config\$9 or reconfig\$9)                | US-PGPUB;<br>USPAT | OR | ON | 2007/01/08<br>17:06 |
| S27 | 2 | (6175917 6931529).pn. and (key same authenticat\$5 same encrypt\$5) | US-PGPUB;<br>USPAT | OR | ON | 2007/01/09<br>08:58 |
| S28 | 0 | (6175917 6931529).pn. and (judg\$4 or inquir\$5)                    | US-PGPUB;<br>USPAT | OR | ON | 2007/01/09<br>08:59 |
| S29 | 2 | (6175917 6931529).pn. and (config\$6 or parameter\$3)               | US-PGPUB;<br>USPAT | OR | ON | 2007/01/09<br>09:18 |
| S30 | 1 | (6175917 6931529).pn. and (reconfig\$9)                             | US-PGPUB;<br>USPAT | OR | ON | 2007/01/09<br>09:21 |
| S31 | 1 | (6175917 6931529).pn. and (station)                                 | US-PGPUB;<br>USPAT | OR | ON | 2007/01/09<br>10:32 |

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|-----|-------|--|-----------------|----|----|------------------|
| S32 | 1     | @pd<"20020911" and ((network near2 security) same ipsec) and (inquir\$4)                 | US-PGPUB; USPAT | OR | ON | 2007/01/09 09:52 |
| S33 | 0     | @pd<"20020911" and ((network near2 security) same ipsec) and (inquir\$4) and spd and sad | US-PGPUB; USPAT | OR | ON | 2007/01/09 09:53 |
| S34 | 0     | @pd<"20030911" and ((network near2 security) same ipsec) and (inquir\$4) and spd and sad | US-PGPUB; USPAT | OR | ON | 2007/01/09 09:53 |
| S35 | 2     | @pd<"20020911" and (ipsec) and (inquir\$4) and spd and sad                               | US-PGPUB; USPAT | OR | ON | 2007/01/09 10:31 |
| S36 | 1     | "20010042201"  | US-PGPUB; USPAT | OR | ON | 2007/01/09 11:20 |
| S37 | 1     | "20010042201" and (request \$3)  | US-PGPUB; USPAT | OR | ON | 2007/01/09 10:31 |
| S38 | 2     | ((("6175917").pn.   "20010042201") and (request \$3)                                     | US-PGPUB; USPAT | OR | ON | 2007/01/09 11:09 |
| S39 | 40265 | nec  | US-PGPUB; USPAT | OR | ON | 2007/01/09 11:09 |
| S40 | 141   | @pd<"20020911" and ((network near2 security) and ipsec)                                  | US-PGPUB; USPAT | OR | ON | 2007/01/09 11:10 |
| S41 | 1     | S40 and 713/1.ccls.  | US-PGPUB; USPAT | OR | ON | 2007/01/09 11:10 |
| S42 | 0     | S40 and 713/2.ccls.  | US-PGPUB; USPAT | OR | ON | 2007/01/09 11:10 |
| S43 | 0     | S40 and 713/188.ccls.  | US-PGPUB; USPAT | OR | ON | 2007/01/09 11:10 |
| S44 | 0     | S40 and 713/194.ccls.  | US-PGPUB; USPAT | OR | ON | 2007/01/09 11:10 |
| S45 | 0     | S40 and 380/200.ccls.  | US-PGPUB; USPAT | OR | ON | 2007/01/09 11:10 |
| S46 | 0     | S40 and 380/201.ccls.  | US-PGPUB; USPAT | OR | ON | 2007/01/09 11:11 |
| S47 | 4     | S40 and 380/255.ccls.  | US-PGPUB; USPAT | OR | ON | 2007/01/09 11:11 |
| S48 | 2     | S40 and 380/277.ccls.  | US-PGPUB; USPAT | OR | ON | 2007/01/09 11:11 |
| S49 | 1     | S40 and 726/2.ccls.  | US-PGPUB; USPAT | OR | ON | 2007/01/09 11:18 |
| S50 | 3     | "665372".ap.   | US-PGPUB; USPAT | OR | ON | 2007/01/09 11:18 |
| S51 | 6     | "655372".ap.   | US-PGPUB; USPAT | OR | ON | 2007/08/23 10:43 |
| S52 | 1     | "6175917".pn. and (station)  | US-PGPUB; USPAT | OR | ON | 2007/08/23 10:46 |

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|-----|----|--|---|----|----|---------------------|
| S53 | 1  | "6175917".pn. and (station or rule or polic\$4)                            | US-PGPUB;<br>USPAT  | OR | ON | 2007/08/23<br>10:46 |
| S54 | 1  | "20040093524"  | US-PGPUB;<br>USPAT  | OR | ON | 2008/03/13<br>10:08 |
| S55 | 1  | "20040093524" and<br>(software or program or<br>signal or carrier or wave) | US-PGPUB;<br>USPAT  | OR | ON | 2008/03/13<br>11:40 |
| S56 | 2  | "6175917".pn. or<br>"20010042201"  | US-PGPUB;<br>USPAT  | OR | ON | 2008/03/13<br>13:37 |
| S57 | 2  | S56 and (polic\$5 or rule)   | US-PGPUB;<br>USPAT  | OR | ON | 2008/03/13<br>13:37 |
| S58 | 1  | S56 and (system near<br>manager)   | US-PGPUB;<br>USPAT  | OR | ON | 2008/03/13<br>13:54 |
| S59 | 2  | "6175917".pn. or<br>"20010042201"  | US-PGPUB;<br>USPAT  | OR | ON | 2008/03/13<br>15:03 |
| S60 | 2  | S59 and (request)  | US-PGPUB;<br>USPAT  | OR | ON | 2008/03/13<br>15:03 |
| S61 | 1  | "20040093524"  | US-PGPUB;<br>USPAT  | OR | ON | 2008/07/29<br>13:57 |
| S62 | 0  | "41604951".pn.   | US-PGPUB;<br>USPAT  | OR | ON | 2008/07/29<br>14:26 |
| S63 | 0  | "41604951".ap.   | US-PGPUB;<br>USPAT  | OR | ON | 2008/07/29<br>14:26 |
| S64 | 4  | "604951".ap.   | US-PGPUB;<br>USPAT  | OR | ON | 2008/07/29<br>14:26 |
| S65 | 7  | "419665".ap.   | US-PGPUB;<br>USPAT  | OR | ON | 2008/07/29<br>14:28 |
| S66 | 1  | "5880769".pn.  | US-PGPUB;<br>USPAT  | OR | ON | 2008/07/29<br>14:28 |
| S67 | 0  | "5880769".pn. and (ssd)  | US-PGPUB;<br>USPAT  | OR | ON | 2008/07/29<br>14:29 |
| S68 | 1  | "5880769".pn. and (wireless)   | US-PGPUB;<br>USPAT  | OR | ON | 2008/07/29<br>14:30 |
| S69 | 53 | "04915"  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/07/29<br>14:37 |
| S70 | 1  | "6175917".pn.  | US-PGPUB;<br>USPAT  | OR | ON | 2008/07/29<br>15:35 |
| S71 | 1  | "6175917".pn. and (polic\$4<br>or rul\$3)                                  | US-PGPUB;<br>USPAT  | OR | ON | 2008/07/29<br>15:35 |
| S72 | 6  | "655372".ap.   | US-PGPUB;<br>USPAT  | OR | ON | 2008/11/25<br>10:24 |
| S73 | 1  | "20040093524"  | US-PGPUB;<br>USPAT  | OR | ON | 2008/11/25<br>10:28 |
| S74 | 1  | "20040093524" and<br>(request)   | US-PGPUB;<br>USPAT  | OR | ON | 2008/11/25<br>10:28 |

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|-----|-----|--|--------------------|----|----|---------------------|
| S75 | 1   | "20040093524" and (request and reply\$3)   | US-PGPUB;<br>USPAT | OR | ON | 2008/11/25<br>10:28 |
| S76 | 2   | "20010042201" or "6175917".<br>pn.   | US-PGPUB;<br>USPAT | OR | ON | 2008/11/25<br>10:31 |
| S77 | 2   | S76 and (request\$3)   | US-PGPUB;<br>USPAT | OR | ON | 2008/11/25<br>10:31 |
| S78 | 1   | S76 and (request\$3 and reply \$4)   | US-PGPUB;<br>USPAT | OR | ON | 2008/11/25<br>10:31 |
| S79 | 5   | (@ad<"20020911" or @rlad<"20020911") and (IPsec near setting)  | US-PGPUB;<br>USPAT | OR | ON | 2009/02/24<br>09:34 |
| S80 | 9   | (@ad<"20020911" or @rlad<"20020911") and (((IPsec or vpn) near setting) same (request))  | US-PGPUB;<br>USPAT | OR | ON | 2009/02/24<br>09:42 |
| S81 | 17  | (@ad<"20020911" or @rlad<"20020911") and (((IPsec or vpn) near2 setting) same (request))   | US-PGPUB;<br>USPAT | OR | ON | 2009/02/24<br>09:42 |
| S82 | 36  | (@ad<"20020911" or @rlad<"20020911") and (((IPsec or vpn) near2 (setting or management)) same (request))                               | US-PGPUB;<br>USPAT | OR | ON | 2009/02/24<br>09:43 |
| S83 | 11  | (@ad<"20020911" or @rlad<"20020911") and (((IPsec or vpn) near2 (setting or management)) same (request) same (respons\$3 or reply\$3)) | US-PGPUB;<br>USPAT | OR | ON | 2009/02/24<br>09:44 |
| S84 | 2   | "20010042201" or "7068640".<br>pn.   | US-PGPUB;<br>USPAT | OR | ON | 2009/02/24<br>10:05 |
| S85 | 2   | S84 and (vpn or ipsec or sett \$5 or manag\$10 or request or respons\$3 or reply\$5)   | US-PGPUB;<br>USPAT | OR | ON | 2009/02/24<br>10:07 |
| S86 | 2   | S84 and (vpn or ipsec or sett \$5 or manag\$10 or request or respons\$3 or reply\$5 or inquir\$5 or spd or sad)                        | US-PGPUB;<br>USPAT | OR | ON | 2009/02/24<br>10:08 |
| S87 | 216 | (@ad<"20020911" or @rlad<"20020911") and (ipsec near3 set\$5)  | US-PGPUB;<br>USPAT | OR | ON | 2009/02/24<br>10:47 |
| S88 | 9   | (@ad<"20020911" or @rlad<"20020911") and (ipsec near3 set\$5 near3 (step\$3 or sequenc\$5 or method or procedure))                     | US-PGPUB;<br>USPAT | OR | ON | 2009/02/24<br>10:48 |
| S89 | 69  | (@ad<"20020911" or @rlad<"20020911") and (ipsec or vpn) near3 (polic\$3 or rule) near3 (set\$8)  | US-PGPUB;<br>USPAT | OR | ON | 2009/02/24<br>10:50 |

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|-----|----|---|-----------------|----|----|------------------|
| S90 | 90 | (@ad<"20020911" or @rlad<"20020911") and ((ipsec or vpn) near3 (polic \$3 or rule or parameter\$3) near3 (set\$8))  | US-PGPUB; USPAT | OR | ON | 2009/02/24 10:51 |
| S91 | 2  | (@ad<"20020911" or @rlad<"20020911") and ((ipsec or vpn) near3 (polic \$3 or rule or parameter\$3) near3 (set\$8)) same (source or originator) same (target or destinat\$5)   | US-PGPUB; USPAT | OR | ON | 2009/02/24 10:52 |
| S92 | 2  | (@ad<"20020911" or @rlad<"20020911") and ((ipsec or vpn) near3 (polic \$3 or rul\$3 or parameter\$3) near3 (set\$8)) same (source or originator) same (target or destinat\$5)   | US-PGPUB; USPAT | OR | ON | 2009/02/24 10:52 |
| S93 | 6  | (@ad<"20020911" or @rlad<"20020911") and ((ipsec or vpn) near3 (polic \$3 or rul\$3 or parameter\$3) near3 (set\$8 or manag\$8)) same (source or originator) same (target or destinat\$5)   | US-PGPUB; USPAT | OR | ON | 2009/02/24 10:52 |
| S94 | 7  | (@ad<"20020911" or @rlad<"20020911") and ((ipsec or vpn) near3 (polic \$3 or rul\$3 or parameter\$3) near3 (set\$8 or manag\$8)) same (source or originator or first) same (target or destinat\$5 or second\$3 or opposite or another or other)                               | US-PGPUB; USPAT | OR | ON | 2009/02/24 10:53 |
| S95 | 7  | (@ad<"20020911" or @rlad<"20020911") and ((ipsec or vpn) near3 (polic \$3 or rul\$3 or parameter\$3) near3 (set\$8 or manag\$8)) same (source or origina\$5 or first) same (target or destinat\$5 or second\$3 or opposite or another or other)                               | US-PGPUB; USPAT | OR | ON | 2009/02/24 10:53 |
| S96 | 11 | (@ad<"20020911" or @rlad<"20020911") and ((ipsec or vpn) near3 (polic \$3 or rul\$3 or parameter\$3) near3 (set\$8 or manag\$8 or negotiat\$5 or handshak\$5)) same (source or origina\$5 or first) same (target or destinat\$5 or second\$3 or opposite or another or other) | US-PGPUB; USPAT | OR | ON | 2009/02/24 10:56 |

|      |     |  |                 |    |    |                  |
|------|-----|--|-----------------|----|----|------------------|
| S97  | 151 | (@ad<"20020911" or @rlad<"20020911") and ((ipsec or vpn) near3 (polic \$3 or rul\$3 or parameter\$3) near3 (set\$8 or manag\$8 or negotiat\$5 or handshak\$5)) and(source or origina\$5 or first) and (target or destinat \$5 or second\$3 or opposite or another or other)                                      | US-PGPUB; USPAT | OR | ON | 2009/02/24 10:57 |
| S98  | 149 | (@ad<"20020911" or @rlad<"20020911") and ((ipsec or vpn) near3 (polic \$3 or rul\$3 or parameter\$3) near3 (set\$8 or manag\$8 or negotiat\$5 or handshak\$5)) and((source or origina\$5 or first) same (target or destinat \$5 or second\$3 or opposite or another or other))                                   | US-PGPUB; USPAT | OR | ON | 2009/02/24 10:57 |
| S99  | 165 | (@ad<"20020911" or @rlad<"20020911") and ((ipsec or vpn) near3 (polic \$3 or rul\$3 or parameter\$3) near5 (set\$8 or manag\$8 or negotiat\$5 or handshak\$5)) and((source or origina\$5 or first) same (target or destinat \$5 or second\$3 or opposite or another or other))                                   | US-PGPUB; USPAT | OR | ON | 2009/02/24 10:58 |
| S100 | 19  | (@ad<"20020911" or @rlad<"20020911") and ((ipsec or vpn) near3 (polic \$3 or rul\$3 or parameter\$3) near5 (set\$8 or manag\$8 or negotiat\$5 or handshak\$5)) same((source or origina\$5 or first) same (target or destinat \$5 or second\$3 or opposite or another or other))                                  | US-PGPUB; USPAT | OR | ON | 2009/02/24 10:58 |
| S101 | 46  | (@ad<"20020911" or @rlad<"20020911") and ((ipsec or vpn) near3 (polic \$3 or rul\$3 or parameter\$3) near5 (set\$8 or manag\$8 or negotiat\$5 or handshak\$5)) same((source or origina\$5 or first or agent or unit proxy or gateway) same (target or destinat\$5 or second\$3 or opposite or another or other)) | US-PGPUB; USPAT | OR | ON | 2009/02/24 10:59 |
| S102 | 3   | "6678827".pn. or "20050193103" or "20040181690"  | US-PGPUB; USPAT | OR | ON | 2009/02/24 13:56 |

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|------|---|---|--------------------|----|----|---------------------|
| S103 | 3 | S102 and (request\$5 or respon\$5 or reply\$5 or source or origin\$6 or target\$5 or destinat\$5)                           | US-PGPUB;<br>USPAT | OR | ON | 2009/02/24<br>13:56 |
| S104 | 3 | S102 and (messag\$3 or request\$5 or respon\$5 or reply\$5 or source or origin\$6 or target\$5 or destinat\$5)              | US-PGPUB;<br>USPAT | OR | ON | 2009/02/24<br>13:57 |
| S105 | 3 | S102 and (messag\$3 or packet\$5 or request\$5 or respon\$5 or reply\$5 or source or origin\$6 or target\$5 or destinat\$5) | US-PGPUB;<br>USPAT | OR | ON | 2009/02/24<br>13:57 |
| S106 | 1 | "6678827".pn.   | US-PGPUB;<br>USPAT | OR | ON | 2009/02/24<br>14:08 |
| S107 | 0 | "6678827".pn. and (ipsec)   | US-PGPUB;<br>USPAT | OR | ON | 2009/02/24<br>14:08 |
| S108 | 1 | "6175917".pn. and (request\$5 or respon\$5 or reply\$5)   | US-PGPUB;<br>USPAT | OR | ON | 2009/02/24<br>14:34 |
| S109 | 1 | "6175917".pn. and (key)   | US-PGPUB;<br>USPAT | OR | ON | 2009/02/24<br>15:06 |
| S110 | 1 | "6175917".pn. and (source same destina\$5)  | US-PGPUB;<br>USPAT | OR | ON | 2009/02/24<br>15:12 |
| S111 | 1 | "6175917".pn. and (respon\$5)   | US-PGPUB;<br>USPAT | OR | ON | 2009/02/24<br>15:16 |
| S112 | 1 | "6678827".pn.   | US-PGPUB;<br>USPAT | OR | ON | 2009/02/24<br>15:23 |
| S113 | 1 | "6678827".pn. and (vpn or ipsec)  | US-PGPUB;<br>USPAT | OR | ON | 2009/02/24<br>15:23 |
| S114 | 1 | "6678827".pn. and (request\$3)  | US-PGPUB;<br>USPAT | OR | ON | 2009/02/24<br>15:28 |
| S115 | 1 | "6678827".pn. and (request\$3 same super\$10)   | US-PGPUB;<br>USPAT | OR | ON | 2009/02/24<br>15:29 |
| S116 | 1 | "6175917".pn. and (dynamic\$5)  | US-PGPUB;<br>USPAT | OR | ON | 2009/02/24<br>15:49 |
| S117 | 1 | "6175917".pn. and (request\$4)  | US-PGPUB;<br>USPAT | OR | ON | 2009/02/24<br>17:11 |
| S118 | 1 | "20040093524"   | US-PGPUB;<br>USPAT | OR | ON | 2009/08/03<br>11:03 |
| S119 | 1 | "20040093524" and (des)   | US-PGPUB;<br>USPAT | OR | ON | 2009/08/03<br>11:40 |
| S120 | 0 | "20040093524" and (symme\$10 or asymme\$10)   | US-PGPUB;<br>USPAT | OR | ON | 2009/08/03<br>11:45 |
| S121 | 0 | "20040093524" and (syme\$10)  | US-PGPUB;<br>USPAT | OR | ON | 2009/08/03<br>11:46 |
| S122 | 1 | "20040093524"   | US-PGPUB;<br>USPAT | OR | ON | 2009/08/03<br>13:59 |
| S123 | 1 | "20040093524" and (reply)   | US-PGPUB;<br>USPAT | OR | ON | 2009/08/03<br>13:59 |
| S124 | 0 | "20040093524" and (reply with second)   | US-PGPUB;<br>USPAT | OR | ON | 2009/08/03<br>13:59 |



|      |       |  |                    |    |    |                     |
|------|-------|--|--------------------|----|----|---------------------|
| S125 | 1     | "20040093524" and (request \$3)  | US-PGPUB;<br>USPAT | OR | ON | 2009/08/03<br>14:01 |
| S126 | 1     | "20040093524" and (request \$3) and (reply\$3) and (common near3 key)  | US-PGPUB;<br>USPAT | OR | ON | 2009/08/03<br>14:09 |
| S127 | 98514 | (@ad<"20020911" or @rlad<"20020911") and (request with (first or source or origina\$5))  | US-PGPUB;<br>USPAT | OR | ON | 2009/08/03<br>14:13 |
| S128 | 58928 | (@ad<"20020911" or @rlad<"20020911") and (request with (first or source or origina\$5)) and (request with (second\$3 or target or opposite or destina\$4))   | US-PGPUB;<br>USPAT | OR | ON | 2009/08/03<br>14:14 |
| S129 | 46415 | (@ad<"20020911" or @rlad<"20020911") and (request with (first or source or origina\$5)) same (request with (second\$3 or target or opposite or destina\$4))  | US-PGPUB;<br>USPAT | OR | ON | 2009/08/03<br>14:14 |
| S130 | 21103 | (@ad<"20020911" or @rlad<"20020911") and (request near5 (first or source or originator)) same (request near4 (second\$3 or target or opposite or destina\$4))  | US-PGPUB;<br>USPAT | OR | ON | 2009/08/03<br>14:15 |
| S131 | 23313 | (@ad<"20020911" or @rlad<"20020911") and (request near5 (first or source or originator)) same (request near5 (second\$3 or target or opposite or destina\$4))  | US-PGPUB;<br>USPAT | OR | ON | 2009/08/03<br>14:15 |
| S132 | 139   | (@ad<"20020911" or @rlad<"20020911") and (request near5 (first or source or originator)) same (request near5 (second\$3 or target or opposite or destina\$4)) same (transmit\$5 with (key))                              | US-PGPUB;<br>USPAT | OR | ON | 2009/08/03<br>14:16 |
| S133 | 261   | (@ad<"20020911" or @rlad<"20020911") and (request near5 (first or source or originator)) same (request near5 (second\$3 or target or opposite or destina\$4)) same ((transmit\$5 or send\$4 or distribut\$4) with (key)) | US-PGPUB;<br>USPAT | OR | ON | 2009/08/03<br>14:16 |

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|------|-----|---|-----------------|----|----|------------------|
| S134 | 173 | (@ad<"20020911" or @rlad<"20020911") and (request near5 (first or source or originator)) same (request near5 (second\$3 or target or opposite or destina\$4)) same ((transmit\$5 or send\$4 or distribut\$4) with (key) with (first) with (second))   | US-PGPUB; USPAT | OR | ON | 2009/08/03 14:18 |
| S135 | 188 | (@ad<"20020911" or @rlad<"20020911") and (request near5 (first or source or originator)) same (request near5 (second\$3 or target or opposite or destina\$4)) same ((transmit\$5 or send\$4 or distribut\$4) with (key) with (first or source or originator) with (second\$3 or target or opposite or destina\$4))                          | US-PGPUB; USPAT | OR | ON | 2009/08/03 14:18 |
| S136 | 78  | (@ad<"20020911" or @rlad<"20020911") and (request near5 (first or source or originator)) same (request near5 (second\$3 or target or opposite or destina\$4)) same (reply or response) same ((transmit\$5 or send\$4 or distribut\$4) with (key) with (first or source or originator) with (second\$3 or target or opposite or destina\$4)) | US-PGPUB; USPAT | OR | ON | 2009/08/03 14:19 |
| S137 | 188 | (@ad<"20020911" or @rlad<"20020911") and (request near5 (first or source or originator)) same (request near5 (second\$3 or target or opposite or destina\$4)) same ((transmit\$5 or send\$4 or distribut\$4) with (key) with (first or source or originator) with (second\$3 or target or opposite or destina\$4))                          | US-PGPUB; USPAT | OR | ON | 2009/08/03 14:54 |

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|------|-----|--|-----------------|----|----|------------------|
| S138 | 175 | (@ad<"20020911" or @rlad<"20020911") and (request near5 (first or source or originator)) same (request near5 (second\$3 or target or opposite or destina\$4)) same ((transmit\$5 or send\$4 or distribut\$4) with (key) with (first or source or originator) with (second\$3 or target or opposite or destina\$4)) and (setting or config\$9 or manag\$9)                | US-PGPUB; USPAT | OR | ON | 2009/08/03 14:54 |
| S139 | 54  | (@ad<"20020911" or @rlad<"20020911") and (request near5 (first or source or originator)) same (request near5 (second\$3 or target or opposite or destina\$4)) same ((transmit\$5 or send\$4 or distribut\$4) with (key) with (first or source or originator) with (second\$3 or target or opposite or destina\$4)) same (setting or config\$9 or manag\$9)               | US-PGPUB; USPAT | OR | ON | 2009/08/03 14:55 |
| S140 | 85  | (@ad<"20020911" or @rlad<"20020911") and (request near5 (first or source or originator)) same (request near5 (second\$3 or target or opposite or destina\$4)) same ((transmit\$5 or send\$4 or distribut\$4) with (key) with (first or source or originator) with (second\$3 or target or opposite or destina\$4)) same (setting or config\$9 or manag\$9 or control\$5) | US-PGPUB; USPAT | OR | ON | 2009/08/03 14:56 |
| S141 | 6   | "498045".ap.   | US-PGPUB; USPAT | OR | ON | 2009/08/03 15:40 |
| S142 | 300 | "SAITO, MAKOTO"   "TOKUNAGA, OSAMU"   "MIYAKAWA, SHIN"   | US-PGPUB; USPAT | OR | ON | 2009/08/03 15:43 |
| S143 | 187 | S142 and (first same second)   | US-PGPUB; USPAT | OR | ON | 2009/08/03 15:44 |
| S144 | 32  | S142 and (first same second same request same key)   | US-PGPUB; USPAT | OR | ON | 2009/08/03 15:44 |
| S145 | 92  | (@ad<"20020911" or @rlad<"20020911") and (vpn or ipsec) near3 (set\$5 or config\$9 or manag\$9) near (server)  | US-PGPUB; USPAT | OR | ON | 2009/08/03 15:57 |

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|------|-----|---|-----------------|----|----|------------------|
| S146 | 36  | (@ad<"20020911" or @rlad<"20020911") and (vpn or ipsec) near2 (set\$5 or config\$9 or manag\$9) near (server)   | US-PGPUB; USPAT | OR | ON | 2009/08/03 15:58 |
| S147 | 46  | (@ad<"20020911" or @rlad<"20020911") and (vpn or ipsec) near2 (set\$5 or config\$9 or manag\$9 or control\$5) near (server)   | US-PGPUB; USPAT | OR | ON | 2009/08/03 15:58 |
| S148 | 51  | (@ad<"20020911" or @rlad<"20020911") and (vpn or ipsec) near2 (set\$5 or config\$9 or manag\$9 or control\$5) near (server or station)  | US-PGPUB; USPAT | OR | ON | 2009/08/03 15:58 |
| S149 | 38  | (@ad<"20020911" or @rlad<"20020911") and (vpn or ipsec) near2 (set\$5 or config\$9 or manag\$9 or control\$5) near (server or station) and (key)  | US-PGPUB; USPAT | OR | ON | 2009/08/03 15:59 |
| S150 | 85  | (@ad<"20020911" or @rlad<"20020911") and (request near5 (first or source or originator)) same (request near5 (second\$3 or target or opposite or destina\$4)) same ((transmit\$5 or send\$4 or distribut\$4) with (key) with (first or source or originator) with (second\$3 or target or opposite or destina\$4)) same (setting or config\$9 or manag\$9 or control\$5 )                           | US-PGPUB; USPAT | OR | ON | 2009/08/03 16:11 |
| S151 | 209 | (@ad<"20020911" or @rlad<"20020911") and ((request or message) near5 (first or source or originator)) same ((request or message) near5 (second\$3 or target or opposite or destina\$4)) same ((transmit\$5 or send\$4 or distribut\$4) with (key) with (first or source or originator) with (second\$3 or target or opposite or destina\$4)) same (setting or config\$9 or manag\$9 or control\$5 ) | US-PGPUB; USPAT | OR | ON | 2009/08/03 16:11 |
| S152 | 124 | S151 not S150   | US-PGPUB; USPAT | OR | ON | 2009/08/03 16:12 |

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|------|---------|--|--------------------|----|----|---------------------|
| S153 | 17      | (@ad<"20020911" or @rlad<"20020911") and (vpn or ipsec) adj (set\$5 or config\$9 or manag\$9 or control\$5) adj (server or station)  | US-PGPUB;<br>USPAT | OR | ON | 2009/08/03<br>16:30 |
| S154 | 6       | vpnnet and (@ad<"20020911" or @rlad<"20020911") and (set\$5 or config\$9 or manag\$9 or control\$5) adj (server or station)  | US-PGPUB;<br>USPAT | OR | ON | 2009/08/03<br>16:41 |
| S155 | 1       | "7440452".pn.  | US-PGPUB;<br>USPAT | OR | ON | 2009/08/03<br>17:02 |
| S156 | 1       | "7440452".pn. and (manag\$6)   | US-PGPUB;<br>USPAT | OR | ON | 2009/08/03<br>17:03 |
| S157 | 1       | "7440452".pn. and (manag\$6 near server)   | US-PGPUB;<br>USPAT | OR | ON | 2009/08/03<br>17:03 |
| S158 | 1       | "7440452".pn. and (session near key)   | US-PGPUB;<br>USPAT | OR | ON | 2009/08/04<br>09:43 |
| S159 | 1       | "7440452".pn. and (request\$5 or message or reply\$6 or notic\$9)  | US-PGPUB;<br>USPAT | OR | ON | 2009/08/04<br>10:08 |
| S160 | 1       | "20050193103"  | US-PGPUB;<br>USPAT | OR | ON | 2009/08/04<br>10:21 |
| S161 | 1       | "20050193103" and (key) and (request or reply or message)  | US-PGPUB;<br>USPAT | OR | ON | 2009/08/04<br>10:21 |
| S162 | 1022011 | (arrow)  | US-PGPUB;<br>USPAT | OR | ON | 2009/08/04<br>10:28 |
| S163 | 16      | (@ad<"20020911" or @rlad<"20020911") and (vpnnet)  | US-PGPUB;<br>USPAT | OR | ON | 2009/08/04<br>10:28 |
| S164 | 13      | (@ad<"20020911" or @rlad<"20020911") and (vpnnet) and (request or message or reply\$6 or coordinat\$6 or co-ordinat\$6 or sync\$10)  | US-PGPUB;<br>USPAT | OR | ON | 2009/08/04<br>10:30 |
| S165 | 146     | (@ad<"20020911" or @rlad<"20020911") and ((dynamic\$6 or adhoc or on-demand) near3 (creat\$5 or setup or set-up or (set near up) or config\$10) with (virtual adj private adj network or vpn)) | US-PGPUB;<br>USPAT | OR | ON | 2009/08/04<br>10:46 |

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|------|-----|--|-----------------|----|----|------------------|
| S166 | 104 | (@ad<"20020911" or @rlad<"20020911") and ((dynamic\$6 or adhoc or on-demand) near3 (creat\$5 or setup or set-up or (set near up) or config\$10) with (virtual adj private adj network or vpn)) and (key)   | US-PGPUB; USPAT | OR | ON | 2009/08/04 10:46 |
| S167 | 87  | (@ad<"20020911" or @rlad<"20020911") and ((dynamic\$6 or adhoc or on-demand) near3 (creat\$5 or setup or set-up or (set near up) or config\$10) with (virtual adj private adj network or vpn)) and (key) and (request\$3)                              | US-PGPUB; USPAT | OR | ON | 2009/08/04 10:47 |
| S168 | 126 | (@ad<"20020911" or @rlad<"20020911") and ((dynamic\$6 or adhoc or on-demand) near3 (creat\$5 or setup or set-up or (set near up) or config\$10) with ((virtual adj private adj network) or vpn or ipsec)) and (key) and (request\$3)                   | US-PGPUB; USPAT | OR | ON | 2009/08/04 10:50 |
| S169 | 69  | (@ad<"20020911" or @rlad<"20020911") and ((dynamic\$6 or adhoc or on-demand) near3 (creat\$5 or setup or set-up or (set near up) or config\$10) near3 ((virtual adj private adj network) or vpn or ipsec)) and (key) and (request\$3)                  | US-PGPUB; USPAT | OR | ON | 2009/08/04 10:50 |
| S170 | 70  | (@ad<"20020911" or @rlad<"20020911") and ((dynamic\$6 or adhoc or on-demand) near3 (creat\$5 or setup or set-up or (set near up) or config\$10) near5 ((virtual adj private adj network) or vpn or ipsec)) and (key) and (request\$3)                  | US-PGPUB; USPAT | OR | ON | 2009/08/04 10:51 |
| S171 | 84  | (@ad<"20020911" or @rlad<"20020911") and ((dynamic\$6 or adhoc or on-demand) near3 (establish\$4 or creat\$5 or setup or set-up or (set near up) or config \$10) near5 ((virtual adj private adj network) or vpn or ipsec)) and (key) and (request\$3) | US-PGPUB; USPAT | OR | ON | 2009/08/04 10:53 |

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|------|---|--|-----------------|----|----|------------------|
| S172 | 1 | (@ad<"20020911" or @rlad<"20020911") and ((dynamic\$6 or adhoc or on-demand) near3 (establish\$4 or creat\$5 or setup or set-up or (set near up) or config \$10) near5 ((virtual adj private adj network) or vpn or ipsec)) same (key) same (request\$3) | US-PGPUB; USPAT | OR | ON | 2009/08/04 10:54 |
| S173 | 8 | (@ad<"20020911" or @rlad<"20020911") and ((dynamic\$6 or adhoc or on-demand) near3 (establish\$4 or creat\$5 or setup or set-up or (set near up) or config \$10) near5 ((virtual adj private adj network) or vpn or ipsec)) same (request\$3) and (key)  | US-PGPUB; USPAT | OR | ON | 2009/08/04 11:04 |
| S174 | 8 | (@ad<"20020911" or @rlad<"20020911") and ((dynamic\$6 or adhoc or on-demand) near3 (establish\$4 or creat\$5 or setup or set-up or (set near up) or config \$10) near5 ((virtual adj private adj network) or vpn or ipsec)) same (request\$3) and (key)  | US-PGPUB; USPAT | OR | ON | 2009/08/04 11:04 |
| S175 | 1 | "7447901".pn. and (ipsec)  | US-PGPUB; USPAT | OR | ON | 2009/08/04 13:41 |
| S176 | 0 | "7447901".pn. and (ipsec) and (spd)  | US-PGPUB; USPAT | OR | ON | 2009/08/04 13:41 |
| S177 | 0 | "7447901".pn. and (ipsec) and (inquir\$5 or query\$5)  | US-PGPUB; USPAT | OR | ON | 2009/08/04 13:41 |
| S178 | 8 | (@ad<"20020911" or @rlad<"20020911") and ((dynamic\$6 or adhoc or on-demand) near3 (establish\$4 or creat\$5 or setup or set-up or (set near up) or config \$10) near5 ((virtual adj private adj network) or vpn or ipsec)) same (request\$3) and (key ) | US-PGPUB; USPAT | OR | ON | 2009/08/04 13:42 |
| S179 | 2 | (6157917 7447901).pn.  | US-PGPUB; USPAT | OR | ON | 2009/08/04 14:48 |
| S180 | 2 | (6157917 7447901).pn. and (vpn or config\$10 or setup\$5 or establish\$5)  | US-PGPUB; USPAT | OR | ON | 2009/08/04 14:50 |
| S181 | 2 | (6175917 7447901).pn. and (vpn or config\$10 or setup\$5 or establish\$5)  | US-PGPUB; USPAT | OR | ON | 2009/08/04 14:50 |

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|------|---|---|--------------------|----|----|---------------------|
| S182 | 1 | "20040093524" and (spd) and sad   | US-PGPUB;<br>USPAT | OR | ON | 2009/08/04<br>15:12 |
| S183 | 0 | "20040093524" and (inquiry)   | US-PGPUB;<br>USPAT | OR | ON | 2009/08/04<br>15:22 |
| S184 | 1 | "20040093524" and (inquir\$6)   | US-PGPUB;<br>USPAT | OR | ON | 2009/08/04<br>15:22 |
| S185 | 1 | (6175917 7447901).pn. and (inquir\$6 or quer\$6 or ask\$6 or prompt\$5) | US-PGPUB;<br>USPAT | OR | ON | 2009/08/04<br>15:23 |
| S186 | 1 | (6175917 7447901).pn. and (des or aes)                                  | US-PGPUB;<br>USPAT | OR | ON | 2009/08/04<br>15:30 |
| S187 | 2 | (6175917 7447901).pn. and (des or aes or common or shared)              | US-PGPUB;<br>USPAT | OR | ON | 2009/08/04<br>15:30 |
| S188 | 2 | (6175917 7447901).pn. and (address)                                     | US-PGPUB;<br>USPAT | OR | ON | 2009/08/04<br>15:43 |
| S189 | 2 | (6175917 7447901).pn. and (address and config\$9)                       | US-PGPUB;<br>USPAT | OR | ON | 2009/08/04<br>15:48 |
| S190 | 2 | (6175917 7447901).pn. and (key)   | US-PGPUB;<br>USPAT | OR | ON | 2009/08/04<br>15:56 |
| S191 | 1 | "20040093524"   | US-PGPUB;<br>USPAT | OR | ON | 2010/04/05<br>16:51 |

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